## LISTING OF CLAIMS

Claims 1-10 (Cancelled).

Claim 11 (Previously Presented). A vaccine comprising an antigenically active substance and a gastric acid reducing substance, wherein the gastric acid reducing substance is selected from the group consisting of antacids which act protectively through the mucous membrane, $H_2$-receptor agonists and proton pump inhibitors.

Claim 12 (Previously Presented). The vaccine of claim 11, wherein the gastric acid reducing substance is present in an amount sufficient to increase the pH in the stomach to between pH 4 and pH 7.

Claim 13 (Cancelled).

Claim 14 (Cancelled).

Claim 15 (Cancelled).

Claim 16 (Cancelled).

Claim 17 (Withdrawn). The vaccine of claim 11, wherein the proton pump inhibitors are selected from the group consisting of omeprazole, lansoprazole, pantoprazole and rabeprazole.

Claim 18 (Withdrawn). The vaccine of claim 12, wherein the proton pump inhibitors are selected from the group consisting of omeprazole, lansoprazole, pantoprazole and rabeprazole.

Claim 19 (Withdrawn). The vaccine of claim 11, wherein the $H_2$ receptor antagonists are selected from the group consisting of cimetidine, ranitidine, omexetidine, famotidine, roxatidine and nizatidine.

Claim 20 (Withdrawn). The vaccine of claim 12, wherein the $H_2$ receptor antagonists are selected from the group consisting of cimetidine, ranitidine, omexetidine, famotidine, roxatidine and nizatidine.

Claim 21 (Previously Presented). The vaccine of claim 11, wherein the antigenically active substance is one or more natural antigens, synthetic antigens, antigen mimotopes, or a combination thereof.

Claim 22 (Previously Presented). The vaccine of claim 12, wherein the antigenically active substance is one or more natural antigens, synthetic antigens, antigen mimotopes, or a combination thereof.

Claim 23 (Previously Presented). The vaccine of claim 21, wherein the natural antigen or synthetic antigen and/or antigen mimotopes are coupled to a carrier.

Claim 24 (Previously Presented). The vaccine of claim 22, wherein the natural antigen or synthetic antigen and/or antigen mimotopes are conjugated to a carrier.

Claim 25 (Previously Presented). The vaccine of claim 23, wherein the natural antigen or synthetic antigen and/or antigen mimotopes are conjugated to a carrier.

Claim 26 (Previously Presented). The vaccine of claim 22, wherein the antigen mimotopes are conjugated to a carrier as a monomer, dimer, trimer, or oligomer.

Claim 27 (Previously Presented). The vaccine of claim 23, wherein the antigen mimotopes are conjugated to a carrier as a monomer, dimer, trimer, or oligomer.

Claim 28 (Previously Presented). The vaccine of claim 26, wherein single or multiple monomeric, dimeric, trimeric, or oligomeric antigen mimotopes are bound to the carrier.

Claim 29 (Previously Presented). The vaccine of claim 27, wherein single or multiple monomeric, dimeric, trimeric, or oligomeric antigen mimotopes are bound to the carrier.

Claim 30 (Previously Presented). The vaccine of claim 11, wherein the antigenically active substance is a tumor antigen.

Claim 31 (Previously Presented). The vaccine of claim 12, wherein the antigenically active substance is a tumor antigen.

Claim 32 (Withdrawn). A method of vaccination comprising orally administering to a subject in need thereof an effective amount of an antigenically active substance and an effective amount of a gastric acid reducing substance, wherein said method produces an immune response to the antigenically active substance.

Claim 33 (Withdrawn). A method of claim 32, wherein the gastric acid reducing substance is administered in an amount sufficient to increase the pH in the stomach to between pH 4 and pH 7.

Claim 34 (Withdrawn). The method of claim 32, wherein the antigenically active substance and gastric acid reducing substance are administered simultaneously.

Claim 35 (Withdrawn). The method of claim 32, wherein the antigenically active substance is administered after administration of the gastric acid reducing substance.

Claim 36 (Withdrawn). The method of claim 32, wherein the antigenically active substance and gastric acid reducing substance are released simultaneously in the stomach.

Claim 37 (Withdrawn). The method of claim 32, wherein the antigenically active substance is released in the stomach after release of the gastric acid reducing substance.

Claim 38 (Withdrawn). The method of claim 32, wherein the antigenically active substance is one or more natural antigens, synthetic antigens, antigen mimotopes, or a combination thereof.

Claim 39 (Withdrawn). The method of claim 38, wherein the natural antigen or synthetic antigen and/or antigen mimotopes are coupled to a carrier.

Claim 40 (Withdrawn). The method of claim 39, wherein the antigen mimotopes are conjugated to a carrier as a monomer, dimer, trimer, or oligomer.

Claim 41 (Withdrawn). The method of claim 32, wherein the antigenically active substance is a tumor antigen.

Claim 42 (Withdrawn). The method of claim 32, wherein the gastric acid reducing substance inhibits gastric acid formation or binds gastric acid.

Claim 43 (Withdrawn). The method of claim 32, wherein the gastric acid reducing substance is selected from the group consisting of antacids, $H_2$-receptor antagonists and proton pump inhibitors.

Claim 44 (Withdrawn). The method of claim 32, wherein the proton pump inhibitors are selected from the group consisting of omeprazole, lansoprazole, pantoprazole and rabeprazole.

Claim 45 (Withdrawn). The method of claim 15, wherein the $H_2$ receptor antagonists are selected from the group consisting of cimetidine, ranitidine, omexetidine, famotidine, roxatidine and nizatidine.

Claim 46 (Withdrawn). A method of vaccination comprising orally administering to a subject in need thereof the vaccine of claim 11, wherein said method produces an immune response to the antigenically active substance.

Claim 47 (Withdrawn). A method of vaccination comprising orally administering to a subject in need thereof the vaccine of claim 12, wherein said method produces an immune response to the antigenically active substance.

Claim 48 (Withdrawn). A method of vaccination comprising orally administering to a subject in need thereof the vaccine of claim 13, wherein said method produces an immune response to the antigenically active substance.

Claim 49 (Withdrawn). A method of vaccination comprising orally administering to a subject in need thereof the vaccine of claim 14, wherein said method produces an immune response to the antigenically active substance.

Claim 50 (Withdrawn). A method of vaccination comprising orally administering to a subject in need thereof the vaccine of claim 15, wherein said method produces an immune response to the antigenically active substance.

Claim 51 (Withdrawn). A method of vaccination comprising orally administering to a subject in need thereof the vaccine of claim 16, wherein said method produces an immune response to the antigenically active substance.

Claim 52 (Withdrawn). A method of vaccination comprising orally administering to a subject in need thereof the vaccine of claim 17, wherein said method produces an immune response to the antigenically active substance.

Claim 53 (Withdrawn). A method of vaccination comprising orally administering to a subject in need thereof the vaccine of claim 18, wherein said method produces an immune response to the antigenically active substance.

Claim 54 (Withdrawn). A method of vaccination comprising orally administering to a subject in need thereof the vaccine of claim 19, wherein said method produces an immune response to the antigenically active substance.

Claim 55 (Withdrawn). A method of vaccination comprising orally administering to a subject in need thereof the vaccine of claim 20, wherein said method produces an immune response to the antigenically active substance.

Claim 56 (Withdrawn). A method of vaccination comprising orally administering to a subject in need thereof the vaccine of claim 21, wherein said method produces an immune response to the antigenically active substance.

Claim 57 (Withdrawn). A method of vaccination comprising orally administering to a subject in need thereof the vaccine of claim 22, wherein said method produces an immune response to the antigenically active substance.

Claim 58 (Withdrawn). A method of vaccination comprising orally administering to a subject in need thereof the vaccine of claim 23, wherein said method produces an immune response to the antigenically active substance.

Claim 59 (Withdrawn). A method of vaccination comprising orally administering to a subject in need thereof the vaccine of claim 24, wherein said method produces an immune response to the antigenically active substance.

Claim 60 (Withdrawn). A method of vaccination comprising orally administering to a subject in need thereof the vaccine of claim 25, wherein said method produces an immune response to the antigenically active substance.

Claim 61 (Withdrawn). A method of vaccination comprising orally administering to a subject in need thereof the vaccine of claim 26, wherein said method produces an immune response to the antigenically active substance.

Claim 62 (Withdrawn). A method of vaccination comprising orally administering to a subject in need thereof the vaccine of claim 27, wherein said method produces an immune response to the antigenically active substance.

Claim 63 (Withdrawn). A method of vaccination comprising orally administering to a subject in need thereof the vaccine of claim 28, wherein said method produces an immune response to the antigenically active substance.

Claim 64 (Withdrawn). A method of vaccination comprising orally administering to a subject in need thereof the vaccine of claim 29, wherein said method produces an immune response to the antigenically active substance.

Claim 65 (Withdrawn). A method of vaccination comprising orally administering to a subject in need thereof the vaccine of claim 30, wherein said method produces an immune response to the antigenically active substance.

Claim 66 (Withdrawn). A method of vaccination comprising orally administering to a subject in need thereof the vaccine of claim 31, wherein said method produces an immune response to the antigenically active substance.

Claim 67 (Previously Presented). A vaccine comprising an antigenically active substance and a gastric acid reducing substance, wherein the gastric acid reducing substance is sucralfate or carbenoxolone.